



House Select Committee

Modern Rock Cuts- Challenges &
Obstacles



#### Location





#### Why Worry About

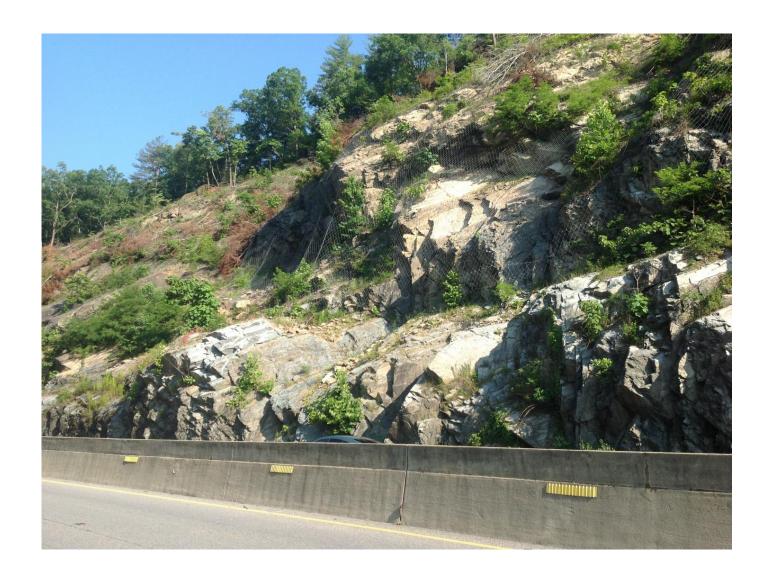
- Increasing Right of Way cost
- Environmental Sensitive Culture
- Construction Cost
- Material disposal
- Aesthetics

### Material Disposal





#### Traditional Rock Cuts



Transportation 2012 Transp

#### Why Change I-40 near TN state line





# Costly Repairs Monetary Usability to Motorist





Transportation 2012

#### Modern Construction Methods

- More pre construction information (Planning)
- Less steep slopes
- Pre split slopes
- Rock Bolts



#### Create a stable slope by constructing less steep slopes





#### Pre Split allows for very steep slopes







# Typical rock slope configuration Use of pre split reduced material by 4 million CY on I-26 project



#### Rock Bolting adds safety to pre split slopes



## Rock Bolts and Netting allows steeper slopes in lesser quality rock





#### Modern Slopes are designed to eliminate

Before After









I-26 Rock Cut In The Winter



### Finished Product Questions



